

L 57582-65 EWG(j)/EWT(1)/EPA(s)-2/EWT(m)/EPF(c)/EPR/EEC(t)/T/EWP(t)/EWP(b)/
 EWA(c) Pr-4/Ps-4/Pt-7/Pl-4 IJP(c) JD/JG/CG UR/0070/65/010/003/0341/0345
 ACCESSION NR: AP5013715 548.736

65
64
B

AUTHOR: Roginskaya, Yu. Ye.; Venevtsev, Yu. N.

TITLE: The structure and dielectric properties of Pb_2CdWO_6

SOURCE: Kristallografiya, v. 10, no. 3, 1965, 341-345

TOPIC TAGS: crystallography, dielectric property, antiferroelectric

ABSTRACT: High temperature investigations were carried out on the structure and dielectric properties of Pb_2CdWO_6 . Ceramic samples were prepared from the corresponding oxides and carbonates. Precise determinations of elementary cell parameters were made from X-ray photographs taken in a chamber using FeK_{α} and CuK_{α} sources. It was shown that the perovskite compound has an ordered position of Cd^{+2} and W^{+6} ions. At room temperature the sub-cell has a monoclinic distortion with the following parameters: $a = 4.150 \text{ \AA}$; $b = 4.101 \text{ \AA}$; $\beta = 90^{\circ}57'$; $b/a = 0.9882$. The results of the investigations showed that in the range from room temperature to $500^{\circ}C$ there are phase transformations which take place at 100° and $410^{\circ}C$. Below 100°

there is a pseudo-monoclinic modification, in the interval 100-120°C

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L 57582-65

ACCESSION NR: AP5013715

second pseudo-monoclinic modification and above 410°C there is a cubic modification. During both phase transformations there is a discontinuous increase in the cell volume of the test sample. A conclusion is made that the phase transformation at 410°C is a transformation from the paraelectric to the antiferroelectric state.

Orig. art. has: 3 figures. ... from one antiferroelectric modification to another.

ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova (Physicochemical Institute)

SUBMITTED: 11Jul64

ENCL: 00

SUB CODE: EM, SS

NO REF SOV: 007

OTHER: 003

XR
Card 2/2

L 53605-65 EWG(j)/EWT(1)/EWT(2)/EWT(w)/EWT(c)/EWT(u)/EWT(v)
A(c) Pz-6/Pr-4/Ps-4/Peb I. (c) JD/AT UR/0056/65/048/005/1224/1232

ACCESSION NR: AP5013879

AUTHOR: Roginskaya, Yu. Ye.; Venetsev, Yu. N.; Zhdanov, G. S.

TITLE: New seignettomagnetics

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 48, no. 5, 1965, 1224-1232

TOPIC TAGS: seignettomagnetic, seignettoelectric, ferromagnetic substance, ferrimagnetic substance

ABSTRACT: Complex perovskites of the type $A(B'B'')O_3$ are of interest as potential seignettomagnetics, substances exhibiting both seignettoelectric and desirable magnetic properties. A series of such compounds was prepared by conventional ceramic methods from PbO , $MnCO_3$, Mn_2O_3 , Co_2O_3 , Fe_2O_3 , $CdCO_3$, Nb_2O_5 , MnO_2 , WO_3 , W , Re , and ReO_3 . The ten compounds obtained showed various combinations of properties, such as seignettoelectric, antiseignettoelectric, antiferromagnetic, ferromagnetic, ferrimagnetic, and paramagnetic character. All the compounds obtained have a perovskite structure. Another compound was obtained, $Pb_2Fe^{+3}W^{+5}O_6$, whose x-ray diffraction pattern shows lines characteristic of spinel structures. It is proposed to grow monocrystals of the most interesting compounds, and to subject them to more detailed studies. Orig. art. has: 1 table, 4 figures. [vs]

Card 12

L. 53605-65

ACCESSION NR: AP5013879

ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova (Physicochemical Institute)

SUBMITTED: 24Nov64

ENCL: 00

SUB CODE: EM, MM

NO REF SOV: 020

OTHER: 006

ATD PRESS: 4015

BAB

Card 2/2

ACC NR: AN6036909

(U)

SOURCE CODE: PO/9000/66/000/288/0002/0002

AUTHOR: Roginski, R. (Lieutenant commander)

ORG: none

TITLE: Hicks and mechanical horses [Tank driver training]

SOURCE: Zolnierz wolnosci, no. 288, 06 Dec 66, p. 2, cols. 1-4

TOPIC TAGS: military training, ordnance training, armored vehicle

ABSTRACT: The 6th tank regiment, stationed in Czestochowa, trains tank drivers. In order to maintain a proficiency in tank driving techniques and vehicle care, a longer training period is recommended, to be offset by shortening the period of general military training for tank drivers.

SUB CODE: 05, 15/ SUBM DATE: none

Card 1/1

ROGINSKIY

POLAND / Acoustics. Noise.

J-3

Abs Jour : Ref Zhur - Fizika No 3, 1957, No 7458

Author : Roginskiy

Title : Acoustical Problems in Design

Orig Pub : Architektura, 1956, No 5, 139-141, 160

Abstract : A discussion of the results of the measurement of noise levels on the streets of cities in the USSR, France, England, and the U.S. Certain recommendations are given concerning the reduction of the noise level in residences located near streets with heavy traffic. Among the measures described are the use of sound-insulating padding in the foundations, sound-absorbing labyrinths, and window baffles.

Card : 1/1

- 74 -

ROGINSKIY, A. I.

"An Air Chip-Remover" Stanki I Instrument, 17, Nos. 10-11, 1946

BR-52059019

FOGINSKIY, A. I., Engineer

"An Instrument for Checking the Sharpness of Drills," Stanki I Instrument, 16, Nos 10-11, 1945

BR-52059019

DAVYDOV, Boris Ivanovich; ROGINSKIY, Boris Yakovlevich; BONDARENKO,
V.S., red.; RODIN, Ye.D., red.; MORALEVICH, O.D., red.
izd-va; TIKHONOVA, Ye.A., tekhn. red.

[Linear programming in the economics and operation of
the merchant marine] Primenenie lineinogo programmirovaniia
v ekonomike i ekspluatatsii morskogo transporta. Moskva,
Izd-vo "Morskoi transport," 1963. 94 p. (MIRA 17:2)

MAITYNOV, V.P.; BOGUSKIY, I.Ya.

Selecting a criteria for the optimum solution in positioning
the fleet in two forms of sailing. Sudovozhdenie no.4:90-92
164. (MIRA 18:3)

1. Nauchno-issledovatel'skiy otdel Leningrudskego vysshego
inzhenernogo morskogo uchilishcha imeni admirala Makarova.

ROGINSKIY, B. Ya., nauchnyy sotrudnik; MARTYNOV, V.P., nauchnyy sotrudnik

Improving the mathematical model of fleet distribution. Ekon.
i ekspl. mor. transp. no.1:17-21 '63. (MIRA 17:8)

1. Leningradskoye vyssheye inzhenernoye morekhodnoye uchilishche
im. admirala Makarova.

S/0000/63/000/000/0031/0052

ACCESSION NR: AT4040507

AUTHOR: Bakhrakh, V. P.; Roginskiy, B. Ya.

TITLE: Optimality criteria and approximation methods for spacing a fleet along a short coast

SOURCE: Konferentsiya po voprosam primeneniya matematiki v sotsialisticheskoy ekonomike. 1st, Leningrad, 1961. Matematiko-ekonomicheskiye problemy* (Problems in mathematical economics); trudy* konferentsii. Izd-vo Leningr. univ., 1963, 31-52

TOPIC TAGS: mathematical economics, economics, linear approximation, optimization, linear programming, linear function, approximation method, approximation calculation, ship, transportation, water traffic, marine transport

ABSTRACT: The continuous increase in the marine freight turnover rate, the development of ports, and the increase in the number of transport ships have seriously complicated the solution of many planning and dispatching problems and have made necessary an exact mathematical formulation of the problem. Hence, the use of mathematics and electronic computing machines in the planning of marine transport has become a necessity. Finding the best transportation system and spacing the ships in a suitable line occupies a central place in the planning work of a marine fleet. The problem of spacing the ships can perhaps

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Card 1/3

Card 2,

ACCESSION NR: AT4040507

SUBMITTED: 31Oct63

SUB CODE: MA, GO

DATE ACQ: 12Jun64

NO REF SOV: 002

ENCL: 00

OTHER: 001

Card 3/3

DENISOV, K.N. (Leningrad); ROGINSKIY, B.Ya. (Leningrad)

Prospects for automating the merchant marine transportation
process. Izv. AN SSSR. Energ. i transp. no.5:637-644 S-0 '63.
(MIRA 16:11)

DAVYDOV, Boris Ivanovich; ROGINSKIY, Boris Yakovlevich;
BONDARENKO, V.S., red.; RODIN, Ye.D., red.; MORALEVICH,
G.D., red.izd-va; TIKHONOVA, Ye.A., tekhn. red.

[Using linear programming in the economics and operation
of the merchant marine] Primenenie lineinogo programmiro-
vaniia v ekonomike i ekspluatatsii morskogo transporta.
Moskva, Izd-vo "Morskoi transport," 1963. 94 p.

(MIRA 16:11)

(Merchant marine--Cost of operation)
(Linear programming)

L 25521-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l)

ACC NR: AR6008997

(N)

SOURCE CODE: UR/0271/65/000/010/A085/A085

AUTHOR: Denisov, K. N.; Gas'kov, L. M.; Kiselev, A. N.; Roginskiy, B. Ya. 38
B

TITLE: Central-dispatcher model of automatized system for the control of ship traffic operation and block diagram of a dispatcher digital computer 14

SOURCE: Ref. zh. Avtomat. telemekh. i vychisl. tekhn., Abs. 10A650

REF SOURCE: Tr. Tsentr. n.-i. in-ta morks. flota, vyp. 59, 1964, 85-96

TOPIC TAGS: automatic control design, water traffic, harbor facility

ABSTRACT: The seagoing freight processes which must be controlled are complicated probability processes. A model of the control system is presented in the form of two interacting subsystems, one for planning and regulation of operations, and the other for control, accounting, and analysis. Planning solves the problem of establishing the freight volume and the distribution of freight flow either between different harbors, or within the confines of a single harbor, and other problems whose solution yields the optimum transportation plan, the optimum fleet operation, and optimum loading at the ports. As a result of various disturbing factors, the realization of the optimal plan calls for solving the problem of optimal control of fleet operation and of the loading at the ports; to solve this problem it is proposed to use statistical methods and a purposeful analysis of trial variants. The subsystem involving control, accounting, and analysis should be subordinated not only to control purposes, but also to problems of operative control. The authors describe the

Card 1/2

UDC: 65.011.56: 658.5: 656.612 2

L 25521-66

ACC NR: AR6008997

structural diagram of a dispatcher electronic computer designed for the solution of the foregoing problems, and constructed on the block principle out of standard elements. Questions of setting up research and practical realization of the system for marine transport control are considered. 1 illustration. Bibliography of 6 titles.
B. A. [Translation of abstract]

SUB CODE: 13, 09

Card 2/2

PB

BORODZYUK, G.G.; STEPANOV, G.N.; DRIATSKIY, N.M.; IONTOV, L.Ye.; KOVALEV,
S.M.; BLOKHIN, A.S.; DVORTSOV, L.D.; LUGOVSKOY, N.Ye.; MERKULOV,
A.G.; SMIRNOV, B.P.; ROGINSKIY, E.M.; BALAY-II'YEVSKAYA, I.A.;
IZRAILIT, S.G.; GRANAT, M.B.; ZARIN, S.A.; otv.red.; FEDOROVSKAYA,
L.N., red.; MARKOCH, K.G., tekh.red.

[Multichannel apparatus for high-voltage telephony on overhead
lines and cables] Mnogokanal'naya apparatura vysokochastotnogo
telefonirovaniya po vozdushnym i kabel'nym liniyam svyazi. Moskva,
Gos.izd-vo lit-ry po voprosam svyazi i radio, 1959. 511 p.

(MIRA 14:1)

(Telephone--Equipment and supplies)

AUTHOR: Roginskiy, B.Ya. SOV-3-58-9-9/36

TITLE: Criticizing the Views of Modern Bourgeois Economists in the Political Economy Course (Kritika vzglyadov sovremennykh burzhuaznykh ekonomistov v kurse politicheskoy ekonomii)

PERIODICAL: Vestnik vysshey shkoly, 1958, Nr 9, pp 36-41 (USSR)

ABSTRACT: The author criticizes the views of some economists of capitalistic countries. The names of B. Lavergne, G. Schwartz, N. Yasnyy and Professor D. Adams are mentioned. There are 7 references, of which 1 is American, 1 French and 5 Soviet.

ASSOCIATION: Leningradskiy pedagogicheskiy institut imeni A.I. Gertsena (Leningrad Pedagogical Institute imeni A.I. Gertsen)

Card 1/1

ROGINSKIY, F. N., Cand. Tech.Sci. (diss) "Development of Inflammable Semi-metallic Deposits, (Example of Tekela Mine)," Alma-Ata, 1961, 20 pp. (Kazakh. Polytech. Inst.)150 copies (KL Supp 12-61, 273).

ROGINSKIY, F.N.

Method of graphical estimate for plotting output cross sections.

Izv. AN Kazakh. SSR. Ser. gor. dela no.1:13-25 '59.

(MIRA 12:9)

(Mine maps)

ROZINSKIY F. N.

127-58-1-7/28

AUTHORS: Polzik, V.A.; Fonomarev, O.B., and Rozinskiy, F.N., Mining Engineers

TITLE: Ore-Outlet Organization in Large-Scale Caving Systems (Organizatsiya vypuska rudy pri sistemakh s massovym obrusheniyem)

PERIODICAL: Gornyy Zhurnal, 1958, Nr 1, pp 28-31 (USSR)

ABSTRACT: Technical conditions at the Tekeli poly-metal ore deposits make it difficult to recover completely the ore when using the large-scale caving system. The dip angle varies from 65 to 75°, the average thickness of the ore body from 35 to 40 m. The lodes to be recovered are transverse to the strike direction and have two sloping walls. The authors compare two methods, the scraper transport method and the screen method, and state that the losses of one principal metal, lead, amounted to 14.2% for the scraper method and 7.8% for the screen method. Because the blocks have two sloping walls, the order of ore outlet, accepted in the mine, requires that the surface of contact of the collapsed ore with the overlying rocks must be perpendicular to

Card 1/2

Ore-Outlet Organization in Large-Scale Caving Systems 127-58-1-7/28

these walls, i.e., constitute an angle of approximately 20° to the horizontal plane with the slope toward the under side. Control over the observation of these rules is exerted by the OTK service. There are two methods for representing the position of the collapsed ore in the blocks: the method of "cones" and the method of "vertical columns". The former method is preferred. The drawings of ore position compiled by this method (Figure 3) show the contact surface of collapsed ore with overlying rocks and make it possible to determine the amount of ore to be discharged through one or another ramp in order to maintain the prescribed position of the contact surface. The article contains 3 figures, 1 table and 1 Soviet reference.

ASSOCIATION: Tekeliyskiy kombinat (Tekeli Combine)

AVAILABLE: Library of Congress

Card 2/2

1. Mining engineering-USSR 2. Ores-USSR

ROGINSKIY, F.N.

Principles of the evaluation of mineral deposits. Izv.vyz.ucheb.
zav.; geol.i razv. 8 no.11:74-76 N '65.

(MIRA 18:12)

1. Frunzenskiy politekhnicheskiy institut.

ROGINSKIY, F.N., kand.tekhn.nauk

Readers' response to the article by A.M.Piatkin and V.S.Iatskov
"Calculating the value of capital assets liquidated during the
organization and modernization of mines"; "Ugol'" 1963, No.2.
Ugol' 39 no.2:72 F '64. (MIRA 17:3)

1. Frinzenskiy politekhnicheskii institut.

ROGINSKIY, F.N.

Control of underground fires in the Tekeli Mines. Izv. AN Kazakh.
SSR. Ser. gor dela no.1:3-10 '60. (MIRA 13:10)
(Tekeli (Taldy-Jurgan Province)--Mine fires)

ROGINSKIY, G., prof.; FRUMKIN, A., dotsent

Is there a "rational kernel" in the bourgeois theory of foreign
trade? On the theory of comparative production costs. Vnesh.
torg. 41 no.11:20-31 '61. (MIRA 14:11)
(Commerce) (Division of labor)

ROGINSKIY, G.

Effect of the militarization of an economy on the process of
capitalistic replacement of the means of production. Vop. ekon.
no.10:117-125 0 '56. (MLRA 9:11)

(United States--War--Economic aspects)

ROGINSKIY, G.

Effect of the militarization of an economy on the process of
capitalistic replacement of the means of production. Vop. ekon.
no.10:117-125 0 '56. (MLRA 9:11)

(United States--War--Economic aspects)

SVETLICHNYY, Vladimir Andreyevich, Geroy Sotsialisticheskogo Truda;
BUDKO, A.I.; ROGINSKIY, G.I.; LEBEDIK, A.I.; VINOKUR, I.Ye.,
red.; NESYLOVA, L.M., tekhn. red.

[Over-all mechanization of sugar-beet growing and harvesting]
Kompleksnaia mekhanizatsiia vozdelevaniia i uborki sakharnoi
svekly. Moskva, Proftekhizdat, 1962. 51 p. (MIRA 16:1)
(Sugar beets) (Farm mechanization)

ROGINSKIY, G.I., inzh.

Evaluation of the work conditions of tractor drivers and agricultural machinery operators. Trakt.i sel'khoz mash. 32 no.4:27-28 Ap '62.
(MIRA 15:4)

1. Kubanskiy gosudarstvennyy nauchno-issledovatel'skiy institut traktorov i sel'skokhozyaystvennykh mashin.
(Farm mechanization)

LEBEDIK, A.I.; GALKIN, V.I.; ROGINSKIY, G.I.; BUD'KO, V.A., red.; GURE-
VICH, M.M., tekhn. red.; TRUKHINA, O.N., tekhn. red.

[Work like Vladimir Svetlichnyi does] Rabotat' kak Vladimir Svet-
lichnyi. Moskva, Izd-vo sel'khoz. lit-ry, zhurnalov i plakatov,
1961. 70 p. (MIRA 14:11)

(Sugar beets)

LEBEDNIK, A.I.; GALKIN, V.I.; ROGINSKIY, G.I.

[Work as Vladimir Svetlichnyi does] Rabotat' kak Vladimir
Svetlichnyi. Kishinev, Partiinoe izd-vo TsK KP Moldavii,
1962. 48 p. (MIRA 16:3)
(Sugar beets)

MATVEYEV, B.A. (Baku); ~~ROGINSKIY, G.I.~~ (Baku)

Late complications following antibiotic therapy of suppurative
peritonitis. Khirurgia no.5:63-65 My '56. (MLRA 9:9)

(PERITONITIS, therapy,
antibiotics, compl. (Rus))
(ANTIBIOTICS, therapeutic use,
peritonitis, compl. (Rus))

ROGINSKIY, G., inzhener.

~~Carcases~~ Carcases with interwoven springs. Prom.koop. no.11:16-19 N '55.
(MLRA 9:5)

(Furniture industry) (Springs (Mechanism))

ROGINSKIY, G. M., ZHABROVA, G. N. and FOKINA, E. A.

"Catalysts of the Decomposition of Hydrogen Peroxide," Zhur. Obshch. Khim., 25,
No.9, 1954

Comment B-87001, 27 Jul 55

ROGINSKIY, Grigoriy Konstantinovich

ROGINSKIY, Grigoriy Konstantinovich - Metodika i tekhnika sledstvennoi raboty
(Methods and Technique of Investigation Work) 1934. (A Collection of Articles)

MS
927.640
.U5

LC

ROGINSKIY, Grigoriy Semenovich; MAKAROV, V., red.; NOGINA, N.,
tekhn.red.

[Monopoly profit] Monopol'naya pribyl'. Moskva, Izd-vo
sotsial'no-ekon.lit-ry, 1961. 108 p. (MIRA 14:4)
(Profit) (Monopolies)

ROGINSKIY, G. S.

1
751
.F8

Mezhdunarodnaya trgovlya (International trade) Pod red. I. S. Potapov,
G. S. Roginskiy, Yu. N. Kapelinskiy. Moskva, Vneshtorgizdat, 1954.
686 p. tables.

MERVART, Iozef [Mervart, Josef]; ZOTOV, B.D. [translator]; SEMENOV,
I.I. [translator]; ROGINSKIY, G.S., prof., red.; BORODIN,
Yu.V., red.; GOLICHENKOVA, A.A., tekhn. red.; REZUKHOVA, A.G.,
tekhn. red.

[Price determination in international commerce] Tsenoobrazova-
nie v mezhdunarodnoi trgovle. Pod red. i so vstup. stat'ei
G.S. Roginskogo. Moskva, Izd-vo inostr. lit-ry, 1962. 350 p.
(MIRA 15:12)

(Prices) (Commerce)

ROGINSKIY, G.Z., doktor pedagogicheskikh nauk.

Certain general problems in the study of animal perception.
Trudy Gos.inst.po izuch.mozga 15:27-34 '47. (MLRA 7:2)
(Animal intelligence) (Perception)

СОВЕТСКИЙ, В. А.

38024 В. А. Советский-выдающийся биолог-дарвинист (Зоолог. 1849-1934).
Периодика, 1949, № 11, С. 72-73, с портр.

SO: Letopis' Zhurnal' nykh Statey, Vol. 45, Moskva, 1949

USSR/Medicine - Psychology

Card 1/1 Pub. 86 - 2/35

Authors : Roginskiy, G. Z., Prof.

Title : Higher nervous activity of anthropoid apes

Periodical : Priroda 44/2, 15 - 23 Feb 1955

Abstract : The experiments of the Russian scientist, I. P. Pavlov, are discussed. Pavlov did extensive experimentation in the study of higher nervous functions in apes with a view to discovering whether their brain functions, known as thinking, approach those of humans. Twenty references to Pavlov's writings, without date. Illustrations.

Institution :

Submitted :

T-12

USSR/Human and Animal Physiology. The Nervous System

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 65718

Author : Roginskiy G.Z., Tikh N.A.

Inst : U.S.S.S.R.

Title : Circuitous Routes Among Animals

Orig Pub : B sb.: Probl sovrem. fiziol. nervn. i myshechn. sistem.
Tbilisi, U.S.S.S.R., 1956, 373-384

Abstract : Twenty-day leghorn chicks, three-month-old white rats and lower monkeys 2 to 3 months of age adopted a circuitous route around a plexiglass screen to the bait after many tries, as a result of food reinforcement of correct actions and no reinforcement of erroneous ones. After prolonged hunger the animals ceased to make use of the circuitous route. Conditioned motor reflexes were established most rapidly by the circuitous-route in monkeys. After the screen was removed, all of the animals followed the detour for a certain time. Substitution of the direct route to the bait

Card : 1/2

110

ROGINSKIY, G.Z.

In memory of N.IU. Voitonis. Vop.psikhol. no.1:121-122 Ja-F '56.
(MLRA 9:5)

(Voitonis, Nikolai IUI'evich, 1887-1946)

ROGINSKIY, G.Z., professor, doktor pedagogicheskikh nauk (Leningrad).

Do monkeys "think"? Nauka i zhizn' 23 no.7:41-44 J1 '56.
(Monkeys) (MIRA 9:9)

USSR/Human and Animal Physiology. Nervous System. Higher Nervous Activity. Behavior.

T-10

Abs Jour: Ref Zhur-Biol., No 12, 1958, 56034.

Author : Roginskiy, G. Z.

Inst :

Title : Interaction of Various Analyzers in the Development of Motor Conditioned Reflexes in White Rats.

Orig Pub: Zh. vyssh. nervn. deyat-sti, 1957, 7, 780-785.

Abstract: In 25 rats, aged 3 months to 1 year, a habit formation was developed reinforced by food which required them to pass through a labyrinth (HP). This habit of passing through a roofed, darkened, as well as an open labyrinth developed after 20-30 runs. If sight perception was eliminated by using a mask and covering the eyes with it, the duration

Card : 1/3

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USSR/Human and Animal Physiology. Nervous System. Higher
Nervous Activity. Behavior.

T-10

Abs Jour: Ref Zhur-Biol., No 12, 1958, 56034.

of a run was lengthened and went up from 4-5 to 6-7 seconds. Mistakes were not made, however. When the partitions in the labyrinth were removed, the rats still continued to use the zigzag course. When a white rectangle and a lamp were placed in one of the passages, or when stripes of colored paper were put along the path, the rats changed their course at once, and as soon as these guide posts were transferred to other passages, they altered their course accordingly after a series of runs. However, the duration of these runs was lengthened considerably in such cases. A change in the position of the open labyrinth, or its

Card : 2/3

USSR/Human and Animal Physiology. Nervous System. Higher
Nervous Activity. Behavior.

T-10

Abs Jour: Ref Zhur-Biol., No 12, 1958, 56034.

transfer to another part of the room destroyed the
conditioned reflex.

Card : 3/3

170

ROGINSKIY, G.Z. (Leningrad)

The work of V.N. Tenkov in the V.M. Bekhterev Brain Institute of the
Museum of Mental and Psychic Evolution: 1929-1956. Arch. anat., gist.
i entr. 47 no. 10:103-108. G. 164. (MIRA 18:6)

ROGINSKIY, I.S.

Hydrogen content in steel made in basic open-hearth furnaces.
[from "Hutnicke Listy," no.8, 1960; "Iron and Coal Trades
Review," no.4850, no.4851, 1961]. Stal' 22 no.2:127 F '62.
(MIRA 15:2)

(Czechoslovakia--Open-hearth process)

ROGINSKIY, I.S., referent

Investigating the temperature of steel in Bessemer converters.
Stal' 21 no. 1:31-33 Ja '61. (MIRA 14:1)
(Bessemer process) (Pyrometry)

ROGINSKIY, I.S., referent

Use of refractory concretes in the ferrous metallurgy of the United
States. Ogneupory 25 no.8:382 '60. (MIRA 13:9)
(United States--Refractory materials)

ROGINSKIY, I.S., referent

Bottom blowing of pulverized materials into Thomas converters [from
"Revue de Metallurgie" no.1, 1959]. Stal' 20 no.3:220-222 Nr
'60. (MIRA 13:6)
(France--Bessemer process)

L 18831-66 EWT(1) GW

ACC NR: AT6003007

SOURCE CODE: UR/3175/65/000/025/0147/0153

AUTHOR: Roginskiy, I. Yu.; Sokolov, Ye. B.

ORG: LITMO

TITLE: Piezoelectric transducer ¹⁰ _{12,44,55}

SOURCE: USSR. Gosudarstvennyy geologicheskiiy komitet. Osoboye konstruktorskoye byuro. Geofizicheskaya apparatura, no. 25, 1965, 147-153

55-
51
341

TOPIC TAGS: piezoelectric transducer, piezoelectric crystal, piezoelectric effect, barium titanate

ABSTRACT: Since barium titanate has been shown to possess good piezoelectric properties, a sample of barium titanate containing titanium dioxide (27.6%), barium carbonate (68.2%), and red lead (4.2%) was used in the construction of the sensing element of a piezoelectric transducer. It was found that accelerations of 10^{-6} to $5 \cdot 10^5$ m/sec² for a frequency range of 0 to $5 \cdot 10^5$ cps can be measured satisfactorily. The properties of barium titanate, quartz and Rochelle salt are compared in a table and the use of barium titanate is recommended over quartz and Rochelle salt. Pie-

Card 1/2

L 18831-66

ACC NR: AT6003007

zotransducers find their application in mining and prospecting ^{12/4/55} what with the need for measuring vibrations for frequencies from one to several thousand cps. Block diagrams and photographs of the piezotransducer and a dc amplifier used with the piezotransducer are given. Orig. art. has: 4 figures, 2 tables.

SUB CODE: 09,20, 11/ SUBM DATE: 00/ ORIG REF: 007/ OTH REF: 000

Card 2/2 *yw*

L 19294-63 EWT(1)/EDS AFFTC TF

ACCESSION NR: AR3006555

s/0169/63/000/008/0008/0009

SOURCE: RZh. Geofizika, Abs. 8041

8/B

AUTHOR: Roginskiy, I. Yu. and Ye. B. Sokolov

TITLE: Induction transducer

CITED SOURCE: Sb. Geofiz. priborostr. vy*p. 14. L., Gostoptekhnizdat, 1962, 132-140

TOPIC TAGS: induction transducer, automatic control, control system, geophysical research, borehole drilling, vibration measurement, automatic control system

TRANSLATION: A description of an induction transducer built on a transformer circuit is given. The schematic diagram and control panel construction are presented. Test results are given. Induction transducers of new design are promising and can find extensive introduction in geophysical research, for measuring vibration in various structures, control of drilling processes, and in automatic control systems and systems controlling continuous technological production processes. Author's Abstract.

Date Acq: 06Sep63

SUB CODE: SD

ENCL: 00

Card 1/1

ROGINSKY, J. J.

"The Problem of the Origin of Homo Sapiens." (p.115) by Roginsky J. J.

SO: Advances in Contemporary Biology (Uspeki Sovremennoi Biologii) Vol. IX, No. 1
1938

ROGINSKIY, L. L.

"Quelques lois de la variabilite et correlations des caracteres metriques
chez l'Homme et autres Primates."

Report submitted for the 6th Intl. Anthropological and Ethnological Sciences
Congress, Paris, 31 Jul-5 Aug 1960.

18.3200

78182
SOV/133-60-3-7/24

AUTHOR: Roginskiy, I. S. (Reviewer)

TITLE: From Foreign Literature on Metallurgy. Blowing
of Pulverized Material Into Thomas Converter With
Bottom Blowing

PERIODICAL: Stal', 1960, Nr 3, pp 220-222 (USSR)

ABSTRACT: This is a Soviet review of a French article (Revue
de Metallurgie, 1959, Vol 56, Nr 1, pp 13-22)
regarding the investigation of increased efficiency
of Thomas process conducted at the Experimental
Installation IRS ID (French Scientific Research
Institute of Ferrous Metallurgy). There are
7 figures and 1 table.

Card 1/1

18.3200

75955
SOV/133-59-10-16/39

AUTHOR: Roginskiy, I. S.

TITLE: Reduction of Crop of Electric Steel Ingots to 5-6%

PERIODICAL: Stal', 1959, Nr 10, pp 910-912 (USSR)

ABSTRACT: The author reviews the reduction of ingot crop as investigated by the British Iron and Steel Research Association and practiced at the Imatra Plant in Finland. There are 4 figures; and 1 British reference: Journal of the Iron and Steel Institute, 1958, Vol 190, pp 349-359.

Card 1/1

ROGINSKIY, I.S., referent

Measuring the temperature of open-hearth furnace crowns using
thermoelectric pyrometers (from foreign periodicals). Stal' 18
no.11:997-998 N '58. (MIRA 11:11)
(Open-hearth furnaces) (Thermocouples) (Pyrometry)

ROGINSKIY, I.S., referent.

Rare earth elements in steel castings (from foreign journals).

Stal' 18 no.5:466-467 My '58.

(MIRA 11:6)

(Steel castings) (Rare earth metals)

27538
S/123/61/000/014/036/045
A004/A101

13.2530

AUTHORS: Roginskiy, I.Yu., Marchenko, B.M.

TITLE: Selecting the sensitive element circuit for an accelerograph

PERIODICAL: Referativnyy zhurnal. Mashinostroyeniye, no. 14, 1961, 4, abstract
14Zh30 ("Sb. nauchn. tr. Leningr. inst. tochnoy mekhan. i optiki",
1960, no. 41, 36 - 44)

TEXT: It is pointed out that the basic condition which determines the selection of the sensitive element circuit is the measuring range and the magnitude of the given total error. The authors investigate the effect exerted by each component of the total error (inertial errors, errors caused by the effect of parasitic vibrations, errors from lateral acceleration components, errors caused by the method of converting displacements of the inertial mass of the sensitive element, errors from the decoding of the recordings, errors caused by temperature variations, and friction errors) on the selection of the sensitive element circuit. The maximum effect on the measuring errors is exerted by vibrations. All investigated types of sensitive elements permit to measure acceleration in the range of $\pm 0.5 - \pm 100$ g at natural frequencies of the sensitive ele-

Card 1/2

4

IVANCHIKHIN, D.V.; ROGINSKIY, M.L.

Semiautomatic section of finishing operations in the manufacture
of stiff leather. Kczh.-cbuv.prom. 4 no.4:19-20 Ap '62.

(MIRA 15:5)

(Leather industry) (Automatic control)

KANISHCHEV, V.G., inzhener; KANEVSKIY, S.B., inzhener; ROGINSKIY, M.Z.,
inzhener; GITMAN, F.M., kandidat tekhnicheskikh nauk.

Large-panel slabs for flooring of industrial buildings.
Stroi. prom. 33 no.4:12-14 Ap '55. (MLRA 8:6)

1. Pridneprovskiy Promstroyproyekt (for Kanishchev, Kanevskiy).
2. 'Zavod Stroydetal' (for Roginskiy).
3. Dneprovskiy inzhenerno-stroitel'nyy institut (for Gitman)
(Floors, Concrete)

ROGINSKIĬ, Nikolai Osipovich

Osnovy kodovoi avtoblokirovki. [The principles of automatic block system].
Moskva, Gos. transp. zhel-dor. izd-vo, 1947. 56 p. illus.

DLC: TF630.R63

SO: SOVIET TRANSPORTATION AND COMMUNICATION, A BIBLIOGRAPHY, Library of Congress
Reference Department, Washington, 1952, Unclassified.

ROGINSKIY, M. O.

"Handbook of Transport Communications and Signalling, Centralized Control of
Switches and Signals, also Block Signals," b., Moscow, 1947.

ROGINSKIY, N.O., professor, doktor tekhnicheskikh nauk

The railroad communication, signal, central control and block systems during the past 30 years. Tekh.zhel.dor. 6 no.10:17-19 0'47. (MIRA 8:12)

(Railroads--Signaling) (Railroads--Telegraph)

ROGINSKIY, Nikolay Osipovich, ed.

A manual on transportation communications, signaling and railroad block signaling; for signaling and communications **electronic technicians**. 5. ispr. i dop. izd. Moskva, Gos. transp. zhel-dor. izd-vo, 19-- - (49-15216)

TF615.R62

ROGINSKIY, Nikolay Osipovich.

Fundamentals of electricity, magnetism, and telegraph and telephone installations; textbook
2. ed., rev. Moskva, Gos. izd-vo, 1921. 58 p.

ROGINSKIĭ, N. O.

Roginskii, NO

Spravochnik po transportnoi sviazi i STSB dlia elektromekhaniko-
signalizatsii i sviazi s ispr. 1 dop. izd. Moskva, Transzheldorizdat, 19 v.
Handbook on transport connections and STSB concerning electromechanical
signaling and couplings.

Immediate source library congress assession list

ROGINSKII, Nikolai Osipovich

Signalizatsiia zheleznnykh dorog, blokirovka i tsentralizatsiia strel'ok i signalov.
[Railroad signaling, blocking system and centralization of switches and signals.]
Moskva, Gos. tekhn, izd-vo, 1923.

DLC: TF615.R73

Spravochnik po STAB i sviazi dlia elektromekhanikov sluzhby signalizatsii i sviazi.
[Handbook on signaling, centralization, block system and communications for
electrical mechanics of the signaling and communication service.] 4 izd. Moskva,
Gos. transp. zhel-dor. izd-vo, 1937- v. (1) diagsr.

Includes bibliographies.

Contents-v. 1. General information and communications.

DLC: TF615.R6

Spravochnik po transportnoi sviazi i STSB dlia elektromekhanikov signalizatsii i
sviazi. [Handbook on communications and signaling, centralization and block
system for electrical mechanics.] 5. ispr. i dop. izd. Moskva. Gos. transp.
zhel-dor. izd-vo, 19(47). v.(2-3)diagsr.

DLC: TF615-R62

SO: SOVIET TRANSPORTATION AND COMMUNICATION, A BIBLIOGRAPHY, Library of Congress
Reference Department, Washington, 1952, Unclassified.

Part one of two

ROGINSKIĬ, Nikolai Osipovich

Sviiaz' i elektrotehnika na zheleznykh dorogakh. [Communications and electrical engineering on railroads]. (In Stoletie zheleznykh dorog. Trudy Nauchno-tekhnicheskogo komiteta NKPS, 1925, v. 20).

DLC: TF15.R93

Transportnaia sviaz' i STSB za 30 let. [Communications in transportation and the signaling, centralization and block system during 30 years]. (Tekhnika zheleznykh dorog, 1947, no. 10, p. 17-19).

DLC: Slavic unclass

Zheleznodorozhnaia signalizatsiia i ograzhdenie bezopasnosti sledovaniia poezdov. [Railroad signaling and the safeguarding of trains]. Rukovodstvo dlia studentov i posobie dlia praktikov. Moskva, Transpechat', 1925. illus., diagrs.
IU

SO: SOVIET TRANSPORTATION AND COMMUNICATION, A BIBLIOGRAPHY, Library of Congress Reference Department, Washington, 1952, Unclassified.

Part two of two

ROGLINSKI, Nikolai Osipovich. The fundamentals of automatic block signaling
Moskva, Gos. transp. zhel-dor. izd-vo, 1947. 56 p. (49-17307)

Kut'in, I. M., jt. au.

TF630.R63

ROGINSKIY, O.G.

Vibrational combustion; survey. Akust.zhur. 7 no.2:131-154 '61.
(MIRA 14:7)

1. Institut Mosgasproyekt, Moskva.
(Combustion, Theory of)

KISANOVA, M.A.; ROGINSKIY, O.G.

Method for calculating the time of expenditure of liquefied
gases from cylinders. Gas. prom. 10 no.9:23-25 '65.

(MIRA 18:11)

ROGINSKIY, O.G.

Vibrations arising during the combustion of gas in flue boilers.
Gas.prom. 5 no.4:19-23 Ap '60. (MIRA 13:8)
(Boilers) (Gas burners)

ACCESSION NR: AP5020943

UR/0170/65/009/G32/0236/0244
536.46

AUTHOR: Roginskiy, O. G. 11, 55

TITLE: Relaxation oscillations in gas combustion in combustion chambers

SOURCE: Inzhenerno-fizicheskiy zhurnal, v. 9, no. 2, 1965, 236-244

TOPIC TAGS: combustion instability, combustion, combustion chamber, gas combustion, rocket propulsion

ABSTRACT: A mechanism of combustion instability is presented which describes gas-combustion instability in terms of periodic oscillations involving ignition and flame extinction caused by the attachment or detachment of the flame from the flame holder. The mechanism was based on experiments in which a gas injector was connected to a grid-shaped flame holder consisting of plates joined by rods. At low flow velocities, the flame was attached to both the plates and the rods; as the velocity increased, the flame detached first from the plates, then from the sides of the rods, and finally from its center. Each stage of detachment was connected with a sudden change in pressure and temperature downstream from the flame holder. The principal finding was that the flame attachment and detachment at a given injection

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L 62481-65

ACCESSION NR: AP5020943

coefficient Z ($Z = \text{air flow rate/fuel flow rate}$) do not coincide, and, therefore, within a certain region of hysteresis, the solution is two-valued. Detailed analysis showed that oscillations based on this mechanism are impossible when an operating regime which lies completely or partially in the region of hysteresis is selected. Therefore, appropriate design and operating parameters must be selected. Similar conditions of stability were obtained for regimes where the instantaneous mass flow rate or the instantaneous pressure are equal in any cross section of the combustion chamber. Orig. art. has: 3 figures and 28 formulas. [PV] 3

ASSOCIATION: Proyektnyy institut "Mosgazproyekt," Moscow ("Mosgazproyekt" Planning Institute) 4,54

SUBMITTED: 25Aug64

ENCL: 00

SUB CODE: FP

NO REF SOV: 003

OTHER: 000

ATD PRESS: 4072

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Card 2/2

L 30090-65

ACCESSION NR: AT5004089

S/0000/62/000/000/0059/0077

AUTHOR: Roginskiy, O. G.

TITLE: Vibrating combustion of gas in low power boilers

SOURCE: Vsesoyuznaya nauchno-tekhnicheskaya konferentsiya po probleme vibratsionnogo i pul'satsionnogo goreniya. 1st, 1961. Trudy. Moscow, Sektor nauchno-tekhn. inform. GIAP, 1962, 59-77

TOPIC TAGS: combustion, pulsed combustion, combustion hum, combustion pulsation, combustion hum quenching, combustion pulsation suppression, boiler design

ABSTRACT: In view of various negative effects often associated with vibrating combustion, the Institute "Mosgaziprojekt" carried out an extensive study of the causes and methods for

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tubes (pipes) or of the chambers; 2. the hum frequency is close to the eigenfrequency of
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ACCESSION NR: AT5004089

the mixer (injection burners) or of the burners (mixing burners), or to one of the higher harmonics of the fire tubes (chamber); 3. the hum represents, most probably, acoustic oscillations while pulsations are of nonacoustic origin; 4. the hum frequency is

ASSOCIATION: none

SUBMITTED: 29Dec62

ENCL: 00

SUB CODE: FP

NO REF SOV: 008

OTHER: 002

Card 2/2

ACCESSION NR: AR4014416

S/0124/54/000/001/B094/B095

SOURCE: RZh. Mekhanika, Abs. 1B612

AUTHOR: Roginskiy, O. G.

TITLE: Vibrational gas combustion in low power boilers

CITED SOURCE: Tr. 1-y Vses. nauchno-tekhn. konferentsii po probl. vibratsion. i pul'satsion. goreniya. M., 1962, 59-77

TOPIC TAGS: combustion, gas combustion, vibrational combustion, vibrational combustion quenching

TRANSLATION: Using laboratory pilot setups and boilers that are equipped with injector burners and mixing burners with forced air feeding and have fire tubes and fire chambers, the author studied vibrational combustion and methods for its quenching. Utilizing microphones and corresponding secondary devices, he determined the frequency and sound effects, while the conditions of vibrational combustion was determined visually by measuring varying parameters. Results were analyzed from the viewpoint of possible mechanisms for the generation of vibrational combustion conditions. The author investigated the feed-back mechanisms that are based on the

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ACCESSION NR: AR4014416

formation of mixtures and also are due to the kind of gaseous currents or to the laws governing the combustion process, which may all lead to self-excitation within fire chambers. He supplies practical recommendations for the choice of vibrational combustion quenching in industrial setups of various types. There are 10 references. Yu. S. Ryazantsev.

DATE ACQ: 18Feb64

SUB CODE: FL

ENCL: 00

Card 2/2

VOLKOV, M.A.; DRUSKIN, L.I.; PRAVOVEROV, K.N.; ROGINSKIY, O.L.

Investigating flameless gas burners with ring nozzles. Gaz.
prom. 4 no.9:27-31 S '59. (MIRA 12:11)
(Gas burners)

ROGINSKIY, S.G., inzh.; LEVIKOV, G.A.

Breakwater with a perforated vertical wall. Transp. stroi. 12 no.11:60
N '62. (MIRA 15:12)

(St. Lawrence River--Breakwaters)

L 60039-65 EPA(s)-2/EWT(m)/EPF(c)/EWP(j)/T Pc-4/Pr-4/Ps-4/Pt-7 WH/JAJ/RM

ACCESSION NR: AP5018042

UR/0191/65/000/007/0049/0050

878.06-419:677.521.01:539.413

37

B

AUTHOR: Yegorov, N. G. ; Roginskiy, S. L.

TITLE: Effect of filler content on the strength and deformability of unidirectional fiber-glass reinforced plastics ✓

SOURCE: Plasticheskiye massy, no. 7, 1965, 49-50

TOPIC TAGS: fiberglass reinforced plastic, glass fiber, plastic mechanical property, filler content

ABSTRACT: The study was made on a ring specimen formed by winding a glass thread impregnated with the binder onto a rotating cylindrical shaft which also executed a reciprocating motion and thus produced a homogeneous structure in the specimen. Two

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without destroying the specimens. The following formulas were used:

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L 60039-65

ACCESSION NR: AP5018042

$$F_v = \frac{\rho'_{gp} - \rho_p (1-P)}{\rho_{gl} - \rho_b} \quad (1)$$

$$F_w = F_v \frac{\rho_{gl}}{\rho'_{gp}} \quad (2)$$

It was found that as the content of the glass filler rose, the tensile strength of the plastic increased steadily. Therefore, the conclusion drawn by other authors that the filler content has a definite maximum beyond which the strength of the material does not increase.

GENERAL INFORMATION: 048, 010, 005, 1 figure and 7 FORMULAS.

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: MT

NO REF SOV: 003

OTHER: 005

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Card 2/2

ROGINSKI, R.

Gas turbine propelling ships. Przegl techn 86 no.4:7 24 Ja '65.

ROGINSKI, Ryszard, Kmdr ppor.

Specialist-engineer, a title without rights. Przegl techn 86
no.13:3 2 My '65.

1. Association of Polish Mechanical Engineers and Technicians,
Warsaw.

109-1257157E f u r e

dezelka

551.5363:621.311.24
 54-162
 Rogiński, Stefan, Wykorzystanie energii wiatru. [Utilization of wind energy.] *Gazeta
 Obserwatora* P.P.M., Warsaw 4(6):8-14, June 1951. 13 figs. D.C. After having given
 some basic theoretical information on the nature and dynamics of winds, the author presents
 a historical outline of the consecutive development and technical improvements achieved
 recently in utilization of wind energy for diverse industrial purposes but mainly for wind mills
 and power generating wind turbines. The details of various models of European, American
 and Soviet design are described and shown in photographs or drawings and their efficiency
 and peculiarities are considered. *Subject Headings:* 1. Wind utilization 2. Wind power
 stations.—A.M.P.

He
[Signature]

280

ROGINSKI, S.

TECHNOLOGY

PERIODICAL: GOSPODARKA WODNA, Vol. 18, no.11, Nov. 1958.

ROGINSKI, S. The planned cascade on the lower Vistula River and its importance for agriculture. p. 507.

Monthly List of East European Accessions (EEAI) LC Vol. 8, no.4, April, 1959, Unclass.

ROGINSKI, S.
ORCHOLSKI, J.

"Some Tests Relating to the Cultivation of Rice Sorghum, and Sudan Grass in Fields Irrigated With Urban Sewage." p. 141, (ROCZNIKI NAUK ROLNICZYCH. SERIA A*ROSLINNA, Vol. 66, no. 3, 1953, Warsaw, Poland).

SO: Monthly List of East European Accession, Lib of Congress, Vol 2, no 10 Oct. 1953, Uncl.

ROGINSKI, S.

"Review of Recent Soviet and German Works Concerning the Strengthening of Mole Drainage." p. 67 (Gospodarka Wodna, Vol. 14, No. 2, Feb. 1954, Warszawa)

SO: Monthly List of East European Accessions, Vol. 3, No. 6, Library of Congress, June, 1954, Incl.

ROGINSKI, S.; BIERCHER, F.

The influence of agriculture and forestry on the water balance of the Noteć
River Basin to the mouth of the Gwda. p.423.
GOSPODARKA WODNA (Mazelska Organizacja Techniczna) Warszawa
Vol. 14, no. 11, Nov. 1954

So. East European Accessions List

Vol. 5, No. 9

September 1956

ACC NR: AP6033508

SOURCE CODE: UR/0413/66/000/018/0138/0138

INVENTOR: Makhariński, Ye. G.; Roginskiy, S. L.; Korobov, V. I.; Dreytser, V. I.; Pashkovskaya, M. P.

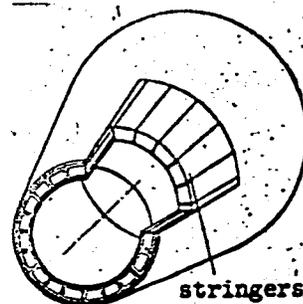
ORG: None

TITLE: A fiberglass-reinforced plastic tubular shell. Class 47, No. 186231

SOURCE: Izobret prom obraz tov zn, no. 18, 1966, 138

TOPIC TAGS: fiberglass, reinforced plastic, reinforced shell structure

ABSTRACT: This Author's Certificate introduces a fiberglass-reinforced plastic tubular shell based on Author's Certificate No. 165366. The rigidity and strength of the construction are increased and manufacture is simplified and speeded up by making the middle layer from prepressed stringers placed in close contact along the axis of the tubular shell to carry the axial load.



SUB CODE: 11, 13/ SUBM DATE: 21May65

Card 1/1

UDC: 666.173:54-161.6

L 24230-66 EWT(d)/EWT(m)/EWP(w)/EWP(v)/EWP(j)/T/EWP(t)/EWA(h)/ETC(m)-6 LJP(c)
ACC NR: AP6013475 YAI SOURCE CODE: UR/0374/66/000/002/0285/0289
WW/EM/RM.

AUTHOR: Roginskiy, S. L.; Yegorov, N. G.

ORG: Scientific Research Institute of Plastics, Moscow (Nauchno-
issledovatel'skiy institut plasticheskikh mass)

TITLE: Effect of reinforcement tension on the strength of glass-
reinforced plastic-reinforced metal shells

SOURCE: Mekhanika polimerov, no. 2, 1966, 285-289

TOPIC TAGS: reinforced metal shell, glass reinforced plastic, synthetic
material, tensile stress, tensile strength

ABSTRACT: The effect of prestress on the strength of glass-reinforced
plastic-reinforced metal shells has been studied. A calculation method
is described and experimental data are given which show the role of
the tension of the glass reinforcement in the reinforcement of metal
shells. It is shown that the strength of the composite shell is essen-
tially independent of the prestress of the metal body. Orig. art.
has: 12 formulas and 2 figures. [SM]

SUB CODE: 11/ SUBM DATE: 30Aug65/ ORIG REF: 002/ OTH REF: 002

Cord 1/1 BK

UDC: 678.41:677.521.027.94.029.5